This week in techniques

Approach	Summary	Licensing status	Publication and contact information
Assays & screens			
Combinatorial screening of antigen vs. antibody libraries	<p>Screening antigen libraries against combinatorial antibody libraries could accelerate the identification of therapeutically relevant antigen-antibody pairs. In a proof-of-concept experiment, five rounds of screening a yeast display library of human HIV antibodies against a phage display library of HIV gp160 protein fragments yielded antigen-antibody pairs that were 100% enriched for a known anti-HIV antibody and 88% enriched for a known HIV antigen. Next steps include improving the robustness of the phage display portion of the technique and implementing the approach with other antibody-antigen libraries to identify previously unknown antigen-antibody pairs.</p> <p>SciBX 2(3); doi:10.1038/scibx.2009.114 Published online Jan. 22, 2009</p>	Patented; licensed to Pfizer Inc.	<p>Bowley, D. <i>et al. Proc. Natl. Acad. Sci. USA</i>; published online Jan. 12, 2009; doi:10.1073/pnas.0812291106 Contact: Richard A. Lerner, The Scripps Research Institute, La Jolla, Calif. e-mail: rlerner@scripps.edu</p>